

This listing of claims will replace all prior versions, and listings, of claims in the application

LISTING OF CLAIMS

1-16. (cancelled).

17. (new) An unauthorized-operation-judgment system for determining whether an operation received by a computer is an unauthorized operation, comprising:

an operation-receiver for receiving instruction data for executing said operation;

a first profile-creator for creating a first profile from said instruction data related to the operation for which instruction data was received by said computer;

a first profile-storer for storing said first profile that was created by said first profile-creator;

a second profile-creator for identifying a user that executed said operation by said instruction data, and creating a second profile related to the operation executed by said user;

a second profile-storer for storing, according to user, said second profiles created by said second profile-creator; and

a score-calculator for comparing said instruction data with at least one profile that is stored in said first profile-storer or in said second profile-storer, and calculating a score for determining whether said operation is an unauthorized operation.

18. (new) The unauthorized-operation-judgment system of claim 17 further comprising:

a first log-data-storer for storing log data of said computer;
and
a second log-data-storer for storing log data according to a user of said computer;
wherein
said first profile-creator references said first log-data-storer when creating said first profile; and
said second profile-creator references said second log-data-storer when creating said second profile.

19. (new) The unauthorized-operation-judgment system of claim 17 further comprising:

a login-detector for executing a process for detecting whether a certain user is logged into said computer;
wherein
when said login-detector detects that a certain user is logged in, said second profile-creator creates a second profile related to said user.

20. (new) The unauthorized-operation-judgment system of claim 19, wherein said login-detector executes detection processing at specified intervals while said computer is in operation.

21. (new) The unauthorized-operation-judgment system of claim 19, wherein when said login-detector does not detect that a certain user is logged in even though detection processing is executed, said first profile-creator creates a first profile related to said computer.

22. (new) The unauthorized-operation-judgment system of claim 21, wherein said login-detector executes detection processing at specified intervals while said computer is in operation.

23. (new) The unauthorized-operation-judgment system of claim 17 further comprising:

- a third profile-creator for creating a third profile related to an operation executed by a user that is identified as a first-time user, when the user executing said operation by said instruction data is identified as a first-time user operating said computer for the first time; and
- a third profile-storer for storing third profiles that are created by said third profile-creator;

wherein

said score-calculator uses at least one profile that is stored in said third profile-storer instead of said second profile-storer to determine whether said operation is an unauthorized operation.

24. (new) The unauthorized-operation-judgment system of claim 23 further comprising:

- an operation-record-storer for storing, according to user, totals related to at least one of the following: number of logins to said computer, operation time that said computer has been operated, or number of days said computer has been operated; and
- a first-time-user-judgment mechanism for referencing said operation-record-storer, and determining that a user executing said operation

is a first-time user using said computer for the first time when said totals do not satisfy preset reference values; and

wherein

said third profile-creator creates a third profile for an operation executed by a user that is determined to be a first-time user by said first-time-user-judgment mechanism; and

said score-calculator uses at least one profile stored in said third profile-storer when said first-time-user-judgment mechanism determines that a user is a first-time user to determine whether said operation is an unauthorized operation.

25. (new) The unauthorized-operation-judgment system of claim 17, wherein

said score-calculator calculates a score by calculating a deviation between said instruction data and data that is stored in said profiles.

26. (new) The unauthorized-operation-judgment system of claim 17, further comprising:

an operation-stopper for executing a process for stopping said operation when said score value exceeds a reference value.

27. (new) The unauthorized-operation-judgment system of claim 17, further comprising:

a warning-process for executing a process for displaying a warning on an operation screen of said computer, or generating a warning alarm on said computer, when said score exceeds a reference value.

28. (new) The unauthorized-operation-judgment system of claim 17, further comprising:

a warning-notification-transmitter for sending a notification warning to an administration server operated by an administrator of said computer that there is a possibility of an unauthorized operation, when said score exceeds a reference value.

29. (new) An unauthorized-operation-judgment method for determining whether an operation received by a computer is an unauthorized operation, comprising:

receiving, by said computer, instruction data to execute said operation;

creating, by said computer, a first profile related to the operation for which instruction data was received by said computer;

storing, by said computer, said first profile in a first profile-storage unit;

identifying, by said computer, a user that executed said operation by said instruction data;

creating, by said computer, a second profile related to the operation executed by said user;

storing, by said computer, said profile in a second profile-storage unit;

comparing, by said computer, said instruction data with at least one profile that is stored in said first profile-storage unit or in said second profile-storage unit; and

calculating a score for determining whether said operation is an unauthorized operation.

30. (new) An unauthorized-operation-judgment method for determining whether an operation received by a computer is an unauthorized operation, comprising:

- receiving, by said computer, instruction data for executing said operation;
- creating, by said computer, a first profile related to the operation for which said instruction data is received by said computer;
- sending, by said computer, said profile to a first profile-storage unit;
- identifying, by said computer, the user that executed said operation by said instruction data;
- creating, by said computer, a second profile related to the operation executed by said user;
- sending, by said computer, said profile to a second profile-storage unit;
- obtaining, by said computer, at least one profile from said first profile-storage unit or said second profile-storage unit;
- comparing, by said computer, said instruction data with said profile(s); and
- calculating, by said computer, a score for determining whether said operation is an unauthorized operation.

31. (new) An unauthorized-operation-judgment program for determining whether an operation received by a computer is an unauthorized operation, comprising:

- software that receives instruction data for executing said operation, creates a first profile related to the operation for which instruction data was received by said computer, and stores said first profile in a first profile-storage unit;
- software that identifies the user that executed said operation by said instruction data, creating a second profile related to the operation

executed by said user and stores said profile in a second profile-storage unit; and

software that compares said instruction data with at least one profile that is stored in said first profile-storage unit or in said second profile-storage unit, and calculates a score for determining whether said operation is an unauthorized operation.

32. (new) An unauthorized-operation-judgment program for determining whether an operation received by a computer is an unauthorized operation, comprising:

software that receives instruction data for executing said operation;

software that creates a first profile related to the operation for which said instruction data is received by said computer, and sends said profile to a first profile-storage unit;

software that identifies the user that executed said operation by said instruction data, creating a second profile related to the operation executed by said user, and sends said profile to a second profile-storage unit; and

software that obtains at least one profile from said first profile-storage unit or said second profile-storage unit, comparing said instruction data with said profile(s), and calculating a score for determining whether said operation is an unauthorized operation.